Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/18/2019 12:03 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125036	0	2.11	125093	2.07
Blue	F	SSC	125000	124597	-1	1.45	125416	1.49
Blue	E	FITC	16433	16021	-3	2.63	348	19.47
Blue	D	PE	27595	27503	-1	1.78	601	14.21
Blue	B	PerCP-Cy5-5	43183	42984	-1	3.49	1160	19.83
Blue	A	PE-Cy7	31943	32148	0	5.88	617	39.73
Red	C	APC	42819	42409	-1	2.40	1502	12.07
Red	A	APC-Cy7	31261	30008	-5	2.28	798	11.84
Violet	B	V450	6527	6295	-4	4.19	354	13.03
Violet	A	V500	24533	23572	-4	3.98	550	10.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18048	11.38	611	11	N/A	N/A	Pass
Blue	F	SSC	56726	0.99	554	6	N/A	N/A	Pass
Blue	E	FITC	63	62.06	540	1	0.0212	105	Pass
Blue	D	PE	125	48.84	538	4	0.1825	301	Pass
Blue	B	PerCP-Cy5-5	212	48.39	651	9	0.0095	45	Pass
Blue	A	PE-Cy7	115	96.94	699	10	0.0114	11	Pass
Red	C	APC	357	25.44	582	-1	0.0248	179	Pass
Red	A	APC-Cy7	177	28.66	560	-3	0.0057	1066	Pass
Violet	B	V450	54	56.61	449	-6	0.0466	1576	Pass
Violet	A	V500	83	31.77	460	-7	0.0237	578	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.79	-32.30	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.48
Red	15.44	13.60 - 20.40	N/A	N/A	29.92	30.43	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10668

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments